

Agri. Res. J. Kerala, 1976 14 (2)

**ON THE CONTROL OF THE JASSID *AMRASCA BIGUTTULA BIGUTTULA*
(ISHIDA) ON BHINDI USING SOME NEW INSECTICIDES.**

In December 1975, severe infestation by the jassid was observed on bhindi (*Abelmoschus esculentus L*) cultivation in the Agricultural College Farm, Vellayani. An experiment was undertaken on one month old plants to find out the relative efficacy of some modern insecticides (Vide Table 1) in controlling the infestation. Each insecticide was applied at its field concentration on three plants selected at random. Three untreated plants served as control. Each plant was sprayed with 150 ml. of the spray fluid using a hand sprayer. Counts of jassids, both adults and nymphs, were made on three leaves of each plant selected at random, twentyfour hours before treatment, and one and seven days after treatment. Results are given in Table 1.

Table 1

**Counts of jassids on bhindi plants before and after treatments
with different insecticide sprays.**

Insecticide and dose (%)	No. of jassids per 9 leaves		
	Before treatment	1 day after treatment	7 days after treatment
Quinalphos 0.05	71 (14.86)	6 (5.14)	11 (6.31)
Fenthion 0.05	62 (13.86)	1 (3.41)	8 (5.38)
Fenitrothion 0.05	66 (14.36)	1 (3.41)	17 (7.54)
Chlorodimeform hydrochloride 0.05	78 (15.41)	8 (5.73)	9 (5.97)
Leptophos 0.03	71 (14.80)	5 (4.65)	3 (4.23)
Control	63 (14.04)	70 (14.80)	47 (12.23)
C.D. at 0.01 per cent level		0.67	0.94

Figures in brackets are the conversions

It may be seen that all the insecticides under trial, were equally good in controlling the jassids effectively. Sidhu and Simwat (1973) have reported fenitrothion as highly effective and as good as malathion in controlling the jassid.

സംഗ്രഹം

വെണ്ടപ്പെടികളെ ബാധിക്കുന്ന അംരാസുകൾ ബൈഗട്ടുല ബൈഗട്ടുല എന്ന ജാസ്സീഡുകളുടെ (ഇലചാടികൾ) നിവാരണത്തിനു് ക്വിനാൽ ഫോസ്, ഫെൻതയോൺ, ഫെനിട്രോതയോൺ, ക്ലോറോഡൈമെഫോം ഹൈഡ്രോക്ലോറൈഡ്, ലെപ്തോഫോസ് എന്നിവയെല്ലാം തന്നെ സ്പ്രേ ചെയ്യുന്നതു് അത്യുത്തമങ്ങളായി കൃഷിയിടത്തിൽ നടത്തിയ പരീക്ഷണം തെളിയിച്ചു.

REFERENCE

to

Sidhu, A. S. and Simwat, O. S. 1973. Evaluation of some new insecticides for the control of *Amrasca devastans* (Distant) infesting Okra. *Indian J Ent* 35 : 293-299.

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(M. S. Received 21-5-1976)